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1/25/01**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of: )  
 Brian Hoyle et al. )  
 Serial No. (unknown) )  
 Filed May 11, 2001 )  
 MONITORING SYSTEM )  
 US National Stage of PCT/GB99/03709 )  
 International Filing Date November 10, 1999)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC 20231 on May 11, 2001.

Thomas Q. Henry  
 Name of Registered Representative

*Thomas Q. Henry*  
 Signature

May 11, 2001  
 Date of Signature

**PRELIMINARY AMENDMENT**

Hon. Assistant Commissioner of Patents

Washington, D.C. 20231

Sir:

Please enter the following Preliminary Amendment in the above-identified patent application. The Commissioner is hereby authorized to charge payment of any additional fees associated with this application or credit any overpayment to Deposit Account No. 23-3030.

**IN THE CLAIMS**

Please amend the claims as follows:

- (Amended) A tomographic sensor array for mounting on a support within a vessel to enable conditions within the vessel remote from that support to be monitored, comprising a sheet [which may be mounted on a support within the vessel, the sheet] carrying an array of sensors and conductors connecting the sensors to at least one output through which signals may be transmitted which are representative of conditions [to which the sensors are exposed] within the vessel.
- (Amended) A sensor array according to claim 1, wherein the sheet is laminar and the conductors are defined by conductive elements [tracks] deposited on an insulating substrate.

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